

Courage to Soar			
2009 Mathematics			
Priority Academic Student Skills			
Oklahoma Mathematics			
Grade 3			
Activity/Lesson	State	Standards	
Kite Flight	OK	MA.3.5.1.a	Pose questions, collect, record, and interpret data to help answer questions (e.g., which was the most popular booth at our carnival?).
Soaring Higher	OK	MA.3.5.1.c	Construct bar graphs, frequency tables, line graphs (plots), and pictographs with labels and a title from a set of data.
Flying a Styrofoam Plane	OK	MA.3.4.1.a	Choose an appropriate measurement instrument and measure the length of objects to the nearest inch or half-inch and the weight of objects to the nearest pound or ounce.
Flying a Styrofoam Plane	OK	MA.3.4.1.b	Choose an appropriate measurement instrument and measure the length of objects to the nearest meter or centimeter and the weight of objects to the nearest gram or kilogram.
Looking for Answers:A research project	OK	MA.3.5.1.a	Pose questions, collect, record, and interpret data to help answer questions (e.g., which was the most popular booth at our carnival?).
Controlling the Plane	OK	MA.3.5.1.c	Construct bar graphs, frequency tables, line graphs (plots), and pictographs with labels and a title from a set of data.
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Grade 4			
Activity/Lesson	State	Standards	
The Flight Timeline	OK	MA.4.5.1.b	Collect, organize and record data in tables and graphs (e.g., line graphs (plots), bar graphs, pictographs).
Flying a Styrofoam Plane	OK	MA.4.4.1.c	Select appropriate customary and metric units of measure and measurement instruments to solve application problems involving length, weight, mass, area, and volume.
Looking for Answers:A research project	OK	MA.4.5.1.b	Collect, organize and record data in tables and graphs (e.g., line graphs (plots), bar graphs, pictographs).
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Priority Academic Student Skills			
Oklahoma Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Soaring Higher	OK	MA.5.5.1.a	Compare and translate displays of data and justify the selection of the type of table of graph (e.g., charts, tables, bar graphs, pictographs, line graphs, circle graphs, Venn diagrams).
Flying a Styrofoam Plane	OK	MA.5.5.1.b	Formulate questions, design investigations, consider samples, and collect, organize, and analyze data using observation, measurement, surveys, or experiments (e.g., how far can 5th graders throw a softball based on where it first hits the ground?).
Looking for Answers: A research project	OK	MA.5.5.1.b	Formulate questions, design investigations, consider samples, and collect, organize, and analyze data using observation, measurement, surveys, or experiments (e.g., how far can 5th graders throw a softball based on where it first hits the ground?).